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(21)Application number : 62-219958 (71)Applicant : HITACHI CHEM CO LTD
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(54) POLYMER COMPOSITION FOR REINFORCED COMPOSITE PIPE LINER LAYER

(57)Abstract:

PURPOSE: To obtain the titled composition, containing an unsaturated polyester polymer consisting of a specific unsaturated polyester, α,β -unsaturated dibasic acid and polymerizable monomer, having excellent corrosion resistance and impact resistance at low temperatures and useful for water supply, sewage, etc.

CONSTITUTION: The aimed composition containing an unsaturated polyester containing 100pts.wt. total amount of (A) 40W75pts.wt. unsaturated polyester, obtained from (i) an α,β -unsaturated dibasic acid in an amount of 10W30wt.% based on the unsaturated polyester and (ii) an acid component containing at least one selected from polymers obtained by thermal polymerization of unsaturated fatty acids, polyalkylene glycols having 700W2,000 number-average molecular weight and polyalkylene glycol adducts of bisphenol A having 450W1,000 number-average molecular weight in an amount of 15W50wt.% based on the unsaturated polyester and (iii) an alcohol component and having 2,000W4,000 number-average molecular weight and (B) 25W60pts.wt. polymerizable monomer.

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